

HOT Watch User Manual



The watch will be shipped in power off state.

1. Getting Started

For best user experience, download the HOT Watch app from the iTunes (iPhone) or Google Play (Android phone) or Windows store (Windows phone). Install the app on your phone before you turn the watch On.

2. Turning On and Off

To turn on the HOT Watch, press and release the power key. If it does not turn On, the battery may be drained. Connect the watch to the charger and the watch should work. The watch comes with a magnetic USB charger that pairs to the audio module of the watch.


Please do not leave the magnetic end of the charger near metal surface when USB end of the cable is plugged in. It can create short to the USB lines. While we provide teeth to prevent short, angled metal surfaces can still create short.

To turn Off the HOT Watch, when the display is active, press and hold down the power key for 5 seconds



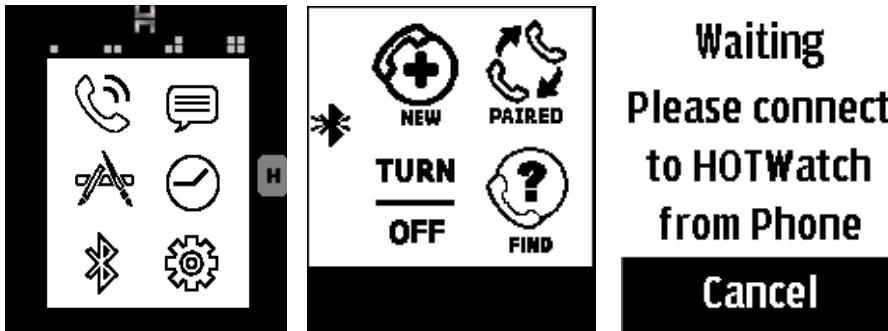
3. Power Key

Action	Function
Press and hold for 6 seconds	Turn Off
Press once when off	Turn On
Press once	Backlight on
Press twice	Touch Calibration. Required when there is an undesirable touch experience

When watch is powered on, it starts in Bluetooth discoverable mode  so that phone can connect to the watch. On the phone Bluetooth menu, scan for Bluetooth devices and select HOT Watch-XXXXXX to connect to watch. Once the watch is paired to phone, it will connect phone audio (HFP). The next time watch and phone are nearby, the watch automatically connects to paired phone.

If the watch Bluetooth is not in discoverable mode, you can make it discoverable with below steps.

- Go to Unlock menu with shortcut icon 4 touch or U touch gesture
- Select Bluetooth icon
- Select New.
- The watch will make Bluetooth discoverable and will display Bluetooth id of the watch



Run the HOT Watch app in the Android or iPhone or Windows phone. The app opens the Bluetooth data connection (SPP) ➡

4. Hands-On Call Usage

The Hands-on Call feature is a unique feature which provides a private call experience. It is achieved by using a directional speaker located at the bottom of the wrist. The speaker projects the sound from the watch strap when the user's palm is held to his/her ear. The palm redirects the sound to the ear. Follow the below steps to get the best audio experience.



A. Wear the watch on your wrist, close to your palm. So that the speaker is closer to palm.

B. Cusp the palm over the ear. Make sure that bottom of your palm is not touching the ear: otherwise the sound will be blocked.

C. Adjust the volume (scale of 1-15) if required. The default volume level for Hands-On is 5 and Hands Free is 13 for the call, default can be changed from the HOT Watch app in the phone. Adjust the volume to the minimum required, for audibility and for a better private call experience.

D. Volume can be further adjusted during call with + - buttons on the screen. The watch automatically adjusts volume in noisy environments using auto gain.

5. Energy Optimization

The HOT Watch is designed for maximum energy efficiency. The watch default mode is energy saver mode. The Energy Saver or Normal mode can be selected in the Settings screens. Below are the differences between the Energy Saver and Normal mode.

Function	Energy Saver Mode	Normal Mode
Frequency of information updated from the phone app	5 minutes	1 minute

Backlight during notification	Short	Long
Tactile vibration when icons are tapped	Off	On
Bluetooth turns Off when watch is not worn	After 30 minutes	Always On

6. Gestures

The HOT Watch detects hand gestures using a 6-axis accelerometer and gyroscope. The gyroscope is switched Off by default to save battery power. It is switched On during a call or whenever required. The gestures are categorized into call and non-call gestures. The call gestures are activated during a phone call (ringing, dial-out, call in progress, etc).

Action	Gesture	Gesture Detail
Answer call	Raise hand to ear	During an incoming call, place your hand cupped over your ear.
Reject call	Bye-Bye	During an incoming call, wave the hand left to right 3 times, similar to waving bye-bye.
Mute call	Twist	During an incoming call, Twist your wrist 3 times.
End call	Bye-Bye or Twist	To end the call, twist your wrist thrice or do bye-bye gesture.

Non-call gestures are used to get Recents, Favourites and Voice response. , Non-call gestures are initiated by twisting the wrist two times. The non-call gestures are described below. The non-call gestures are switched Off by default. They can be enabled in settings menu by selecting *All* option for Gesture.

Feature	Action	Gesture Detail
LED Backlight	Horizontal watch reading	Twist your wrist twice. Move hand to the horizontal watch reading position for one second.
Voice Response	Watch reading + tap two times	Twist your hand twice and move the hand to the horizontal watch reading position for one second. After the backlight is On, tap the hand from top to bottom for two times.
Favorites	Raise hand to ear	When there are no incoming calls, twist your wrist twice and move the hand towards the ear. The favorite phone number screen is displayed.

7. Miscellaneous

- To make a call from the watch, dial the number on the dial pad of dial-out screen and touch on the dialed number to activate call. (There is no call button on this screen)
- The text typing screen for SMS text reply or Facebook comment reply uses a T9 style keyboard. Type the desired text using the keyboard touch the text to send out. (Only Android and Windows users can respond to texts using keypad, iOS users can use Siri to respond to texts)

- The charger has a magnetic connector and is attracted to steel surfaces. When the charger cable is connected to a power source, make sure that the magnetic side is not close to any metal surfaces. While teeth are provided to prevent a short circuit on the connector, the angular contact of the connector can create a short circuit in the watch .
- At Midnight 12AM, HOTWatch connections are cleaned up.

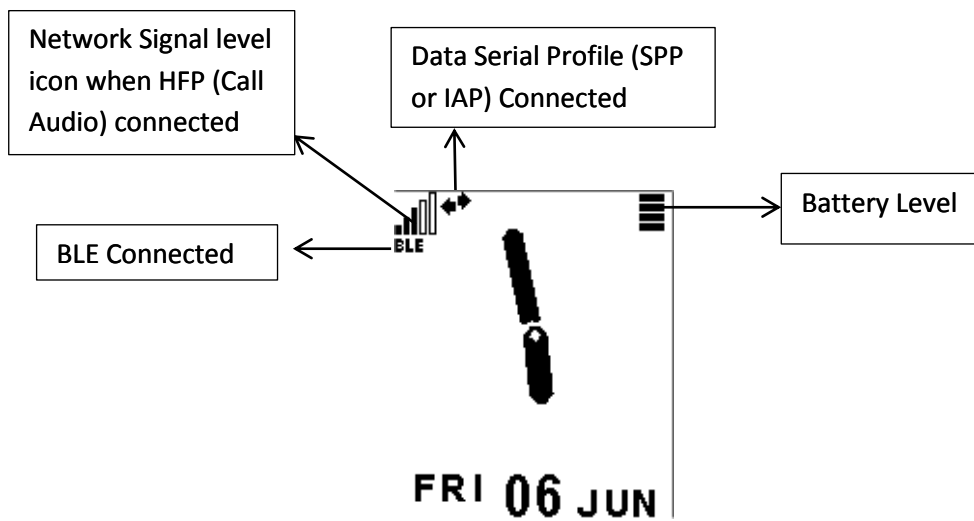
8. Audio Switching b/w Phone and Watch during Call

When making or receiving a call from the watch, the call stays on the watch. It can be transferred to the phone by tapping on the headset button on the phone. When making a call from the phone, the default behavior of the phone is to push the call to a Bluetooth device (HOT Watch in this case), but the watch pushes the call back to phone (as user is not using watch to dial-out). This is done to ensure that the call will stay on the phone when the call is made from or received from the phone. However, some Android phones do not work well with this call pushback. They tend to push the call back to watch. This can cause automatic call switch to watch during a normal phone call. To overcome this problem, a special setting “EnbleBtOff” is provided on the watch’s Settings screen to switch off the Bluetooth (only call audio - HFP) when a call is made from the phone. The HFP is enabled again when the call is made from the watch or when a new call comes in. Make this setting On to prevent call switching.

9. Bluetooth Icons

The HOT Smart Watch uses a dual mode Bluetooth device with Bluetooth Classic (2.1) and Bluetooth Low Energy (BLE, 4.0) in one device. The Classic Bluetooth is used for call audio, data connection, phone book access and music control. BLE is used for data connection on the supported iOS phones (available only with iPhone 4S, iOS 7 and above). The table below lists the Bluetooth profiles supported by the watch.

Bluetooth Profile	Function
Hands Free Profile (HFP)	Call audio
Phone Book Access Profile (PBAP)	Contacts and recent numbers from phone
Audio Video Remote Control Profile (AVRCP)	Music control
Serial Profile (SPP)	Data connection with Android and Windows app
IAP	Data connection with iPhone
Message Access Profile (MAP)	SMS messaging in iPhone 4 and above
Bluetooth Low Energy (BLE) (GATT)	Global notifications in iPhone



When HFP is connected, connected Phone's signal level is displayed. The Signal level and the battery level are updated every 5 minutes. If any profile is disconnected, touching this icon will try to re-connect to that profile. If the re-connection fails, the second touch will **reset** the Bluetooth with fresh reconnection attempt.

"BattLow" is displayed, when battery level is at a critical stage. Bluetooth is turned Off at this level.

10. Notifications

HOTWatch supports SMS, Email, Facebook, Twitter and other notifications.

In Android phone, the HOTWatch Application forwards phone notifications to watch. By default, Email, Facebook, Twitter, WhatsApp and WeChat apps are enabled. The user can go to Settings and enable other apps for global notifications. The notification size limit is 380 characters for Android. The user can respond to SMS notifications from the watch.

In iPhone, the HOTWatch receives notifications via Bluetooth Low Energy (BLE) with GATT-ANCS profile. Once the BLE-GATT-ANCS is connected, these notifications are sent from the iOS to the watch (even when HOTWatch app is not running). To connect BLE, bring the HOTWatch app to foreground. The app will connect the BLE with watch. Accept BLE pair request from the HOTWatch Application.

BLE is supported in iPhone 4S or above with iOS 7 or above. For older phone models/iOS only SMS notification is supported with Bluetooth Message Access Profile (MAP). Select MAP on the settings iPhone menu. Touching the SMS or MAP will toggle this selection.

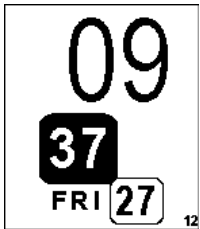
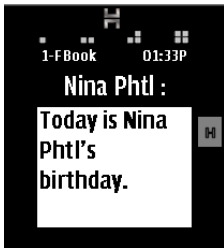
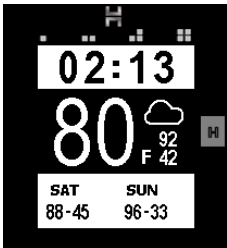
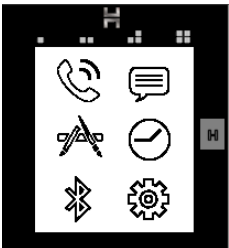

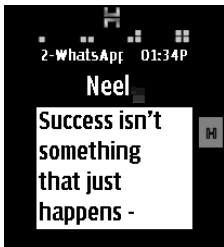

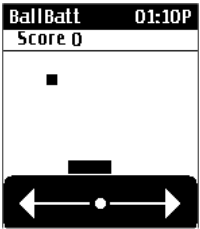
To connect to MAP, tap on the tick adjacent to SMS. In Phone Bluetooth menu, navigate to the connected device info and enable "Show Notifications".



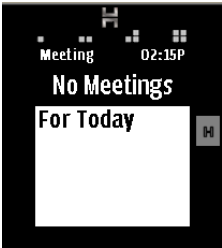
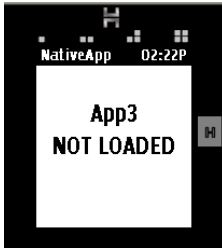



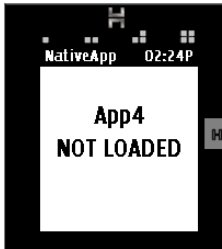
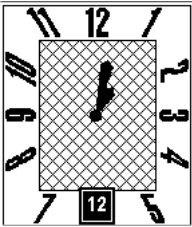
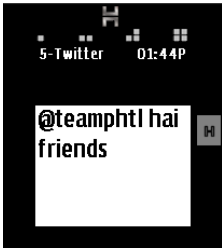
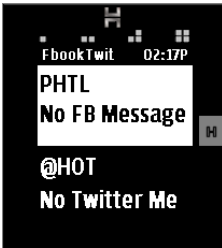
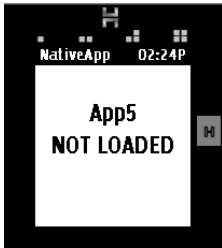

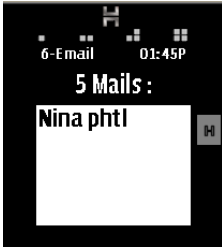
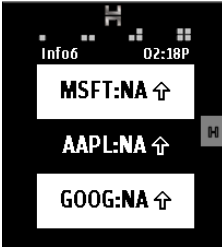
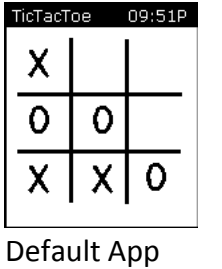
The notification size limit is 90 characters for iPhone due to BLE limitation.

11. Time and Information Screens

The user screens are divided into 4 main screens (Time, Notifications, information Apps and custom Apps) and Advanced Function Screens.

The Time and Information screens are divided into 4x6 sections as shown below. The 4 icons represent 4 columns that have analog and digital watch faces, notification screens, information and custom apps. Within each column, there can be up to 6 screens with different watch faces or custom apps.

	ICON1 Analog and Digital watch faces	ICON2 Recent Notifications	ICON3 Information screens	ICON4 Custom Apps
Screen 1				
Screen 2				 Customizable app screen

Screen 3				
Screen 4				
Screen 5				
Screen 6				

The icons in Sections 1 are pre-loaded with watch faces that are optimized to be energy efficient. Six Watch faces are available in Section 1. The watch faces have a Time and Date display. The seconds' hand (or seconds in digital display) is Off by default. Touching the screen for more than two seconds will switch the second needle On for 90 seconds (supported only on 1, 2 and 5th watchface). The watch faces can be replaced with custom watch faces from third party vendors.

- **Digital1:** Digital display using various font sizes and 12/24 hour format with phone signal level and watch battery level indication. Tapping on 12 toggles between the two formats. This watch face displays seconds for long touch. This screen also displays:
 - Phone book download status
 - Indicates Bluetooth Off, when watch is in idle state.
- **Analog1:** Simple analog clock with phone signal level and watch battery level indication. This has second hand needle. This screen also displays:
 - Phone book download status
 - Indicates Bluetooth Off, when watch is in idle state.
- **Digital2:** Hours in digital format and Minutes in analog format.
- **Digital3:** Seven segment style fonts with digital display.
- **Analog2:** Clock with textured background. This has seconds needle.
- **Digital4:** Dual city clock. Sun and moon are displayed based on the time of day (6AM-6PM) or night (6PM to 6AM). The second city is customizable from the HOTWatch application under second city information.

Icon 2 displays the recent six notifications. Long touch (for about 2 seconds) on any of the notification will take the user to the actual notification screen with scroll and reply options.

Icon 3 has selectable information apps. The 6 screens in this section can have 1, 2 or 3 windows. Each window can have an information app configured from a list of selectable apps. The configuration is done in the connected smart phone by selecting the information app into a particular screen window.

The information screens are static screens that are refreshed every 5 minutes (every 1 minute in normal non energy saving mode) with data from the paired phone. In Windows phone, it is refreshed once in every 30 minutes.

List of apps that can be added in Section 2 are

- Stock 1
- Stock 2
- Stock 3
- Stock 4
- Weather
- Second city time
- Fitness app - pedometer
- calendar
- Facebook
- Twitter








- Email
- SMS
- News
- Cortana (only for Windows)



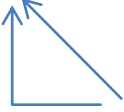


When the SMS, Facebook, Twitter, Email, fitness or calendar screen is touched for more than 2 seconds, the advanced screen for that particular application will be opened with scrolling and reply options.

Icon 4 has the Main Menu (Unlock screen) as the first screen. It has place holder for 4 more custom SDK developed apps. On the 6th screen it has a pre-loaded app - Tic-Tac-Toe.

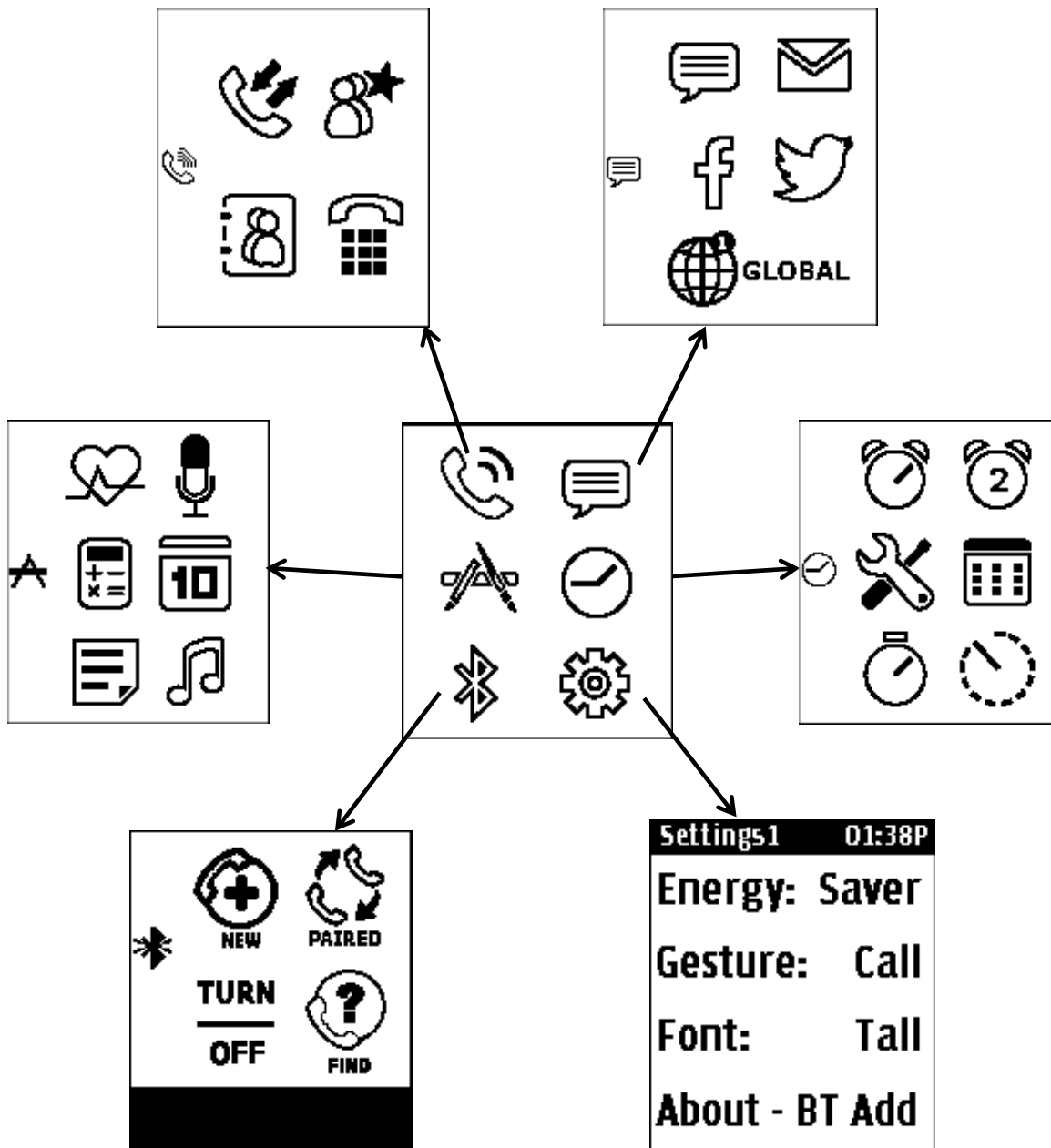
12. Advanced Function Screens

The advanced function screens provide access to call, multi-messaging and other useful applications. These screens can be accessed using the shortcuts. Writing U on screen unlocks the screen and takes the user to Main menu. Other shortcuts opens different screens and apps. Below is a list of touch shortcuts.

Shortcut	Character	Screen or Final App
	U	Unlock – Main menu screen
	D (without vertical line)	Dial Main screen
	A (without horizontal line)	Apps main screen
	C	Clock main screen
	S	SMS and other messaging apps
	/ Diagonal slide from top right to bottom left	Music control screen
	/ Diagonal from bottom left to top right	Voice response

	B (without vertical line)	Bluetooth main screen
	\ Diagonal from top left to bottom right	Go to main watch faces screen If already in watch face screen, activates the LCD color
	Reverse L or Reverse Diagonal	L: Backlight (bottom right to top left) \: Flashlight on (Curve model only)
	N	Note taker (For Future)
	L	Locks the watch face and it will not move by touching it accidentally. Writing U on the screen will unlock it from this locked state. Writing a second U will take you to the unlock screen.

The chart below illustrates the advanced function screen flow. The advanced screens starts with the main unlock screen and branches into the phone, SMS & Messaging, Apps, Clock, Time, Bluetooth and Settings screens.



To navigate between the screens, you must tap the icons. Tapping any icon on the unlock screen takes you to second level icons. The second level screen also includes a sub-icon displaying which group the screen belongs to. Touching this sub-icon takes you back to main unlock screen.

12.1 Phone Menu:

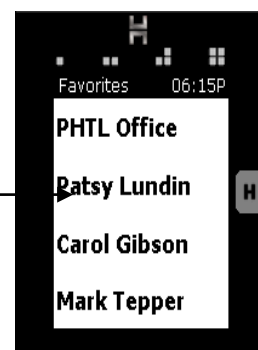
The Phone Menu has Recents, Favorites, Phone Contacts and Dial pad. For Recents and Contacts to be functional, the phone book access profile (PBAP) has to be connected to a phone via Bluetooth. Grant Permission to access Phone book while pairing the watch. If not, the Recents and Contacts feature will not be available. Any issues with PBAP can be resolved by unpairing and re-pairing the watch and phone. Recents, Favorites and Contacts list can be scrolled

by sliding the finger up or down on the screen. Tapping a name and the number in the Contacts list dials out a call.

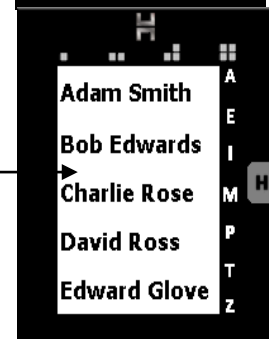
- **Recents:** The list of recently dialed numbers is displayed. There may be a lag in the display of the recent list depending on the transfer speed from the phone to the watch.



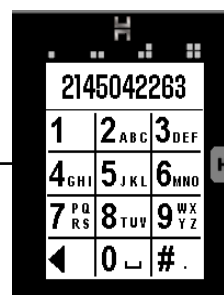
- **Favorites:** Displays the list of favorite phone numbers from the paired phone. In Android paired phone, the Favorite name-numbers are downloaded automatically by the HOTWatch application on the phone. On the iPhone or Windows app, the favorite phone contacts have to be selected in the HOTWatch application.



- **Contacts:** Contacts are downloaded (maximum of 768 contacts) from the paired phone at the first pairing (after 20 seconds delay) of the phone to the watch. The contacts are displayed in the alphabetical order on the screen. Tapping any letter on the list displays the contacts starting with the selected letter. Further search can be done by sliding the finger up or down. Once the name is found and selected, the phone number can be dialed out.



- **Dial pad:** After dialing the number, touch the numbers dialed to start the call. (Like in the picture below touch "2145042263").



13.2 SMS & Messaging Menu

The SMS and messaging menu includes SMS, Email, Facebook, Twitter and Global (WhatsApp, Skype, etc) notifications. A short SMS reply can also be sent from the watch on supported phones. HOTWatch displays the last message received in the phone. Longer text can be read by scrolling the screen vertically. Scroll bar is displayed for messages longer than a screen.

- **SMS:** Shows last SMS message from the phone. The user can reply to the SMS (Android or Windows only) using the T9 style keypad or send a



pre-stored message to the sender (Auto Reply). Voice Response can also be used to send a reply to message.

When iPhone is connected to watch, you will not see the reply options in the SMS screen.

- **Email:** Shows last Email message from the phone. The subject, sender and message text are displayed.

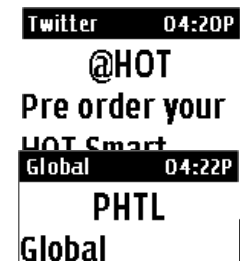


- **Facebook:** Displays last notification from Facebook.

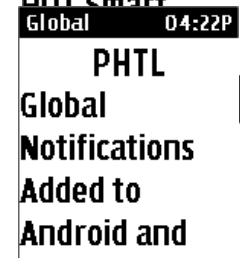


- **Twitter:** Shows last tweet from Twitter.

Twitter reply options are not supported in current version.



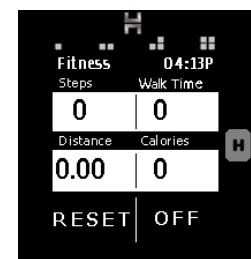
- **Global:** All other notifications (such as Whatsapp, WeChat, etc) are grouped under Global notifications.



13.3 Apps

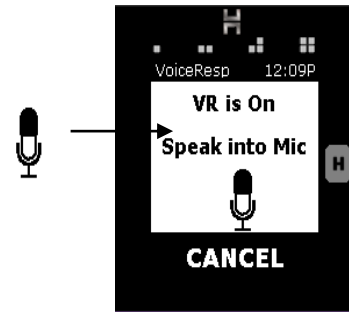
The HOT Watch comes loaded with many useful apps

- **Fitness Pedometer:** Shows the steps walked, distance travelled and calories burned. Turn on the pedometer to start counting the steps. The steps are updated live for 90 seconds after activating this screen. After 90 seconds, the steps are counted in the background and updated every minute or when the screen is touched. The power consumption of watch will be higher when pedometer is switched on. The calories and Miles are updated every 20 stpes.

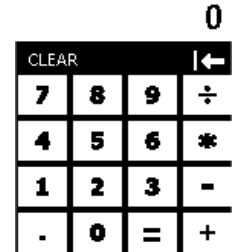


HOTWatch alerts the user when the user does not walk for more than 2.5 hours.

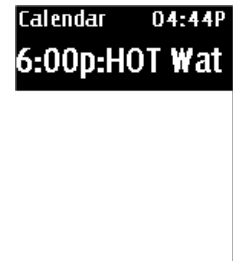
- **Voice Response:** Activates the voice response on the phone. The results of the voice response can be heard from the watch's speaker. It is advisable to hold the bottom of the wrist near mouth as the mic is located at the bottom.



- **Calculator:** A simple calculator.



- **Calendar:** Shows calendar events for the current day that are updated from the paired phone. A maximum of 4 calendar events can be displayed for a day. The list is updated once at 6AM in the morning and updated when a new calendar event that is added. User is notified at the time of the meeting.

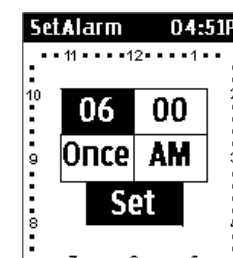
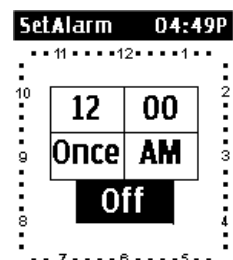


- **Note Taker:** Will be implemented in the next firmware update.
- **Music Control:** The music player in the connected phone can be controlled from the watch. Play, Pause, Forward, Backward and Volume control are supported. The song title is displayed in the title window. The HOT Watch uses AVRCP of the Bluetooth for the music control. The volume is controlled with the help of HOT Watch app on the phone.

13.4 Clock Menu

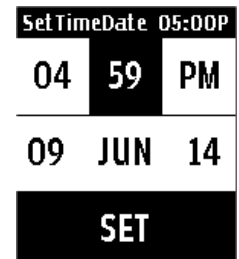
The Clock menu includes functions related to time, alarm, etc.

- **Alarm 1:** Alarm can be set once or daily. To set time for alarm, tap the hour button and then tap the circumference dial area to select the hour. Repeat the procedure for minute. Tap Once or Daily. Tap AM/PM to select AM or PM. The alarm can be turned On or Off. Tap the Set key to set the alarm (The On-Off changes to Set when time is changed).
- **Alarm 2:** Second Alarm Similar to Alarm1. Two alarms can be active at



any given time.

- **Set Time:** Time can be set here. Tap the Hour area and slide finger up-down select the hour. Repeat the same to set the Minute, Day, Month, Year. AM/PM can be toggled by a tap. To set the time and date, tap and hold **set** for a few seconds. When the HOT Watch app on phone is connected, the time is synced with the phone and overrides the set time.



- **Calendar:** A simple calendar that displays current, previous and next week dates of the current month.

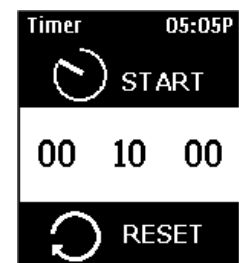
A screenshot of the 'Calendar' screen. At the top, it says 'Calendar 05:02P'. Below this is a table showing the days of the week and their corresponding dates.

Sun	01	08	15
Mon	02	09	16
Tue	03	10	17
Wed	04	11	18
Thu	05	12	19
Fri	06	13	20
Sat	07	14	21

- **Stop Watch:** A simple stop watch to display time elapsed in seconds, minutes and hours. Tap Start to start the timer. Reset will restart the counter. The counts are updated live for 90 seconds. After 90 seconds, it runs in the background and is updated every minute or when the screen is touched.



- **Countdown Timer:** Set the time in Hours, Minutes and Seconds to start the timer. Tap each segment and slide up or down to change the hour, minute or seconds. Tapping start will start the countdown. Watch vibrates at the end of countdown. The display is updated live for 90 seconds. After 90 seconds, it is updated every minute or when the screen is touched.



13.5 Bluetooth Menu

Bluetooth related functions and Find phone features are provided in this menu.

- **New Phone:** This makes the watch discoverable to the phone for about a minute. The watch should be seen as HotWatch-XXXXXX in the phone Bluetooth scan.
- **Paired Phones:** When multiple phones are paired to the watch, the phones can be switched using this menu. The screen displays the paired phones (max of 4). The paired phone is

highlighted. Tapping any of the phones from the screen will disconnect the current phone and connect to a new phone.

- **Bluetooth On/Off:** Bluetooth can be switched On or Off from this menu. With Bluetooth Off, the watch conserves energy and lasts much longer.
- **Find Phone:** Beeps the connected phone. Tapping Find Phone again will stop the beep. The beep also can be stopped from the phone. Find phone feature works only with HOTWatch application running.
- Bluetooth goes into **Sleep mode** when there is no motion for 30 minutes. It wakes up with motion or touch.

13.6 Settings

The settings menu is divided into three screens.

Settings1:

- **Energy: Saver-Normal**
Explained under **Energy Optimization** section.
- **Gesture: Call-All-Off**
Call gestures include Answering, Rejecting and Ending call. They are enabled during the call. (Default)
All gestures include Call gestures and gesture for Favorite numbers, Backlight and VR.
Off disables all gestures
- **Font: Tall-Med**
Tall: Large font (Default)
Med: Normal size font
- **About: BT Add**
Displays the software version and Bluetooth name.

Settings1	07:29P
Energy:	Saver
Gesture:	Call
Font:	Tall
About - BT Add	

Settings2:

- **EnableBtOff: Off-On**
Disconnects Call Audio Bluetooth (HFP), when a call is made from phone. (For some Android devices where audio keeps switching, this feature can be used.)
- **PhoneLost: Off-On**
On will notify the user when phone is out of Bluetooth range.

Settings2	09:54P
EnableBtOff:	Off
PhoneLost:	Off
Vibrate:	Soft
Hand:	Left

- **Vibrate: Soft-Norm-Off**

Vibration can be set to soft, normal or turned off for all indications.

- **Hand: Left-Right**

The watch can be worn on the right hand or left hand. Mode can be set here. In right hand mode, the screen display is flipped so that user can wear the watch on right hand with audio facing the palm. Right hand mode is not optimized for energy efficiency.

Settings 3:

- **iPhone:BLE-SMS**

Enables BLE or SMS (MAP) for iPhone notifications.

- **PhBookDnLoad**

Downloads phone book from the phone. The phonebook is downloaded with every new Bluetooth connection. **This option can be used to manually download again.**

- **RestartBT**

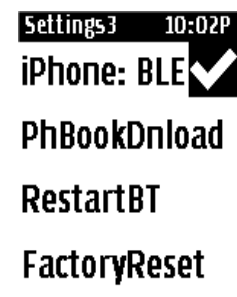
Resets Bluetooth and un-pairs all paired phones.

- **FactoryReset**

Clears the phone book

Resets and un-pairs all Bluetooth connections

Changes all the settings to factory default



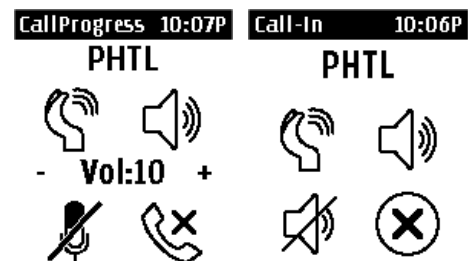
13.7 Call Screens

The incoming call screen includes

- **Answer call** (Hands-On or Speaker mode) button
- **Mute button** - stops vibration on watch and mutes the phone ringer (**only in Android**)
- **Reject call** button

Call in progress screen includes Switch speaker mode (Hands-On or Speaker mode), Mic-Mute and End call.

The call screens are locked during the call until the call is ended. Tapping the icons or power key will not change the screen.



FCC Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Any change or modification not expressly approved by PH Technical Labs may void the users' authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

Industry Canada Statement

This device complies with RSS-210 of Industry Canada

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003.